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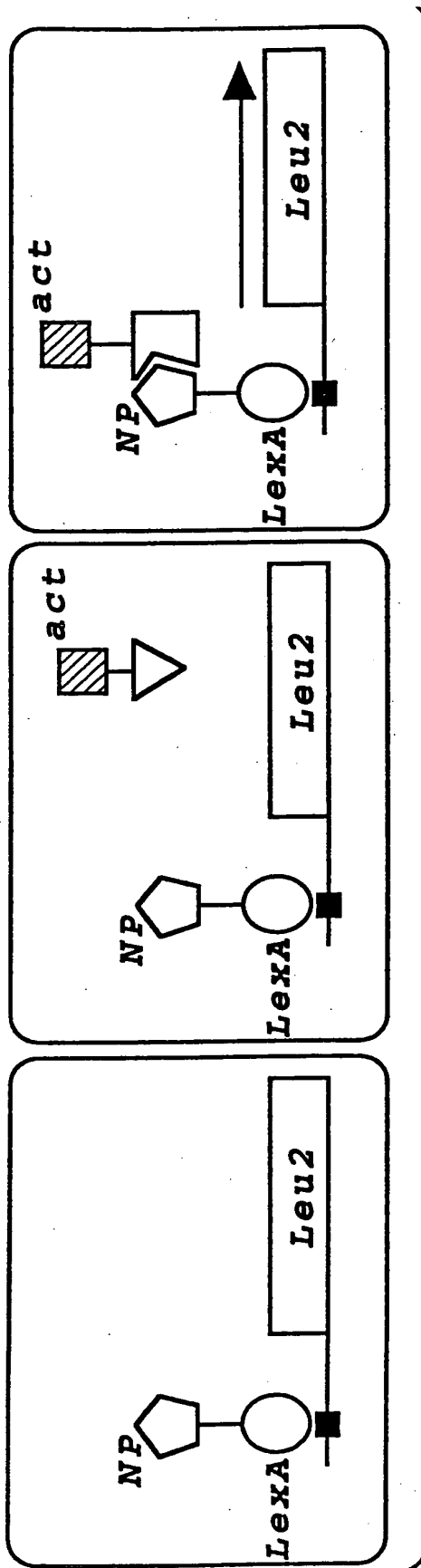
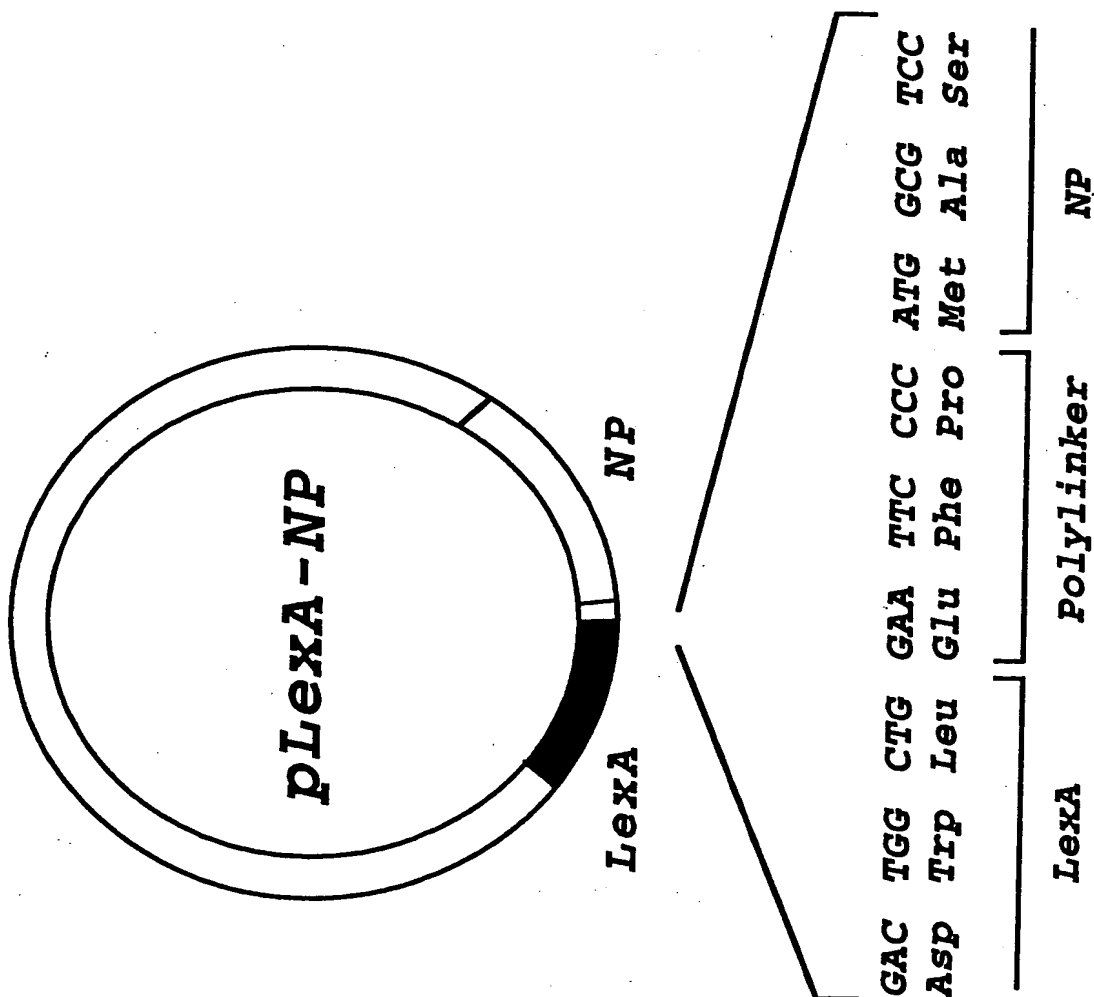


FIG. 1A



**FIG. 1B**

```

      20      40      60
CTAACTTCAG CCGTGGCACC GGGATCGGTT GCCTTGAGCC TGAATATGA CCACCCAGG
      M      T      T      P      G>

      80      100      120
AAAAGAGAAC TTTTCGCCCTGA AAAGTTACAA GAACAAATCT CTGAATCCCG ATGAGATGCG
      K      E      N      F      R      L      K      S      Y      K      N      K      S      L      N      P      D      E      M      R>

      140      160      180
CAGGAGGAGG GAGGAAGAAG GACTGCAGTT ACGAAAGCAG AAAAGAGAAG AGCAGTTATT
      R      R      R      E      E      E      G      L      Q      L      R      K      Q      K      R      E      E      Q      L      F>

      200      220      240
CAAGCGGAGA AATGTTGCTA CAGCAGAAGA AGAAACAGAA GAAGAAGTTA TGTCAGATGG
      K      R      R      N      V      A      T      A      E      E      E      T      E      E      E      V      M      S      D      G>

      260      280      300
AGGCTTTCAT GAGGCTCAGA TTAGTAACAT GGAGATGGCA CCAGGTGGTG TCATCACTTC
      G      F      H      E      A      Q      I      S      N      M      E      M      A      P      G      G      V      I      T      S>

      320      340      360
TGACATGATT GAGATGATAT TTTCCAAAAG CCCAGAGCAA CAGCTTTCAG CAACACAGAA
      D      M      I      E      M      I      F      S      K      S      P      E      Q      Q      L      S      A      T      Q      K>

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FIG. 2A

```

380      ATTCAGGAAG CTGCTTTTCAA AAGAACCCTAA CCCTCCTATT GATGAAGTTA TCAGCACACC
      F R K L L S K E P N P P I D E V I S T P>
      400
420
440      AGGAGTAGTG GCCAGGTTTG TGGAGTTCCT CAAACGAAAA GAGAATTGTT CACTGCAGTT
      G V V A R F V E F L K R K E N C S L Q F>
      460
480
500      TGAATCAGCT TGGGTACTGA CAAATATTGC TTCAGGAAAT TCTCTTCAGA CCCGAATTGT
      E S A W V L T N I A S G N S L Q T R I V>
      520
540
560      GATTCAGGCA AGAGCTGTGC CCATCTTCAT AGAGTTGCTC AGCTCAGAGT TTGAAGATGT
      I Q A R A V P I F I E L L S S E F E D V>
      580
600
620      CCAGGAACAG GCAGTCTGGG CTCTTGCCAA CATTCCTGGA GATAGTACCA TGTGCAGGGA
      Q E Q A V W A L G N I A G D S T M C R D>
      640
660
680      CTATGTCTTA GACTGCAATA TCCTTCCCCC TCTTTTGCAG TTATTTTCAA AGCAAAACCG
      Y V L D C N I L P P L L Q L F S K Q N R>
      700
720
```

FIG. 2B

740	CCTGACCATG ACCCGGAATG	760	CTCTGTAGAG GGAAGTCC	780
	L T M T R N A V W A L S N L C R G K S P>			
800	ACCTCCAGAA TTTCGAAAGG	820	CTTTCCTGGT TGCTGTTTGT	840
	P P E F A K V S P C L N V L S W L L F V>			
860	CAGTGACACT GATGACTGG	880	TCATATCTAT CAGATGGACC	900
	S D T D V L A D A C W A L S Y L S D G P>			
920	CAATGATAAA ATTCAAGCGG	940	AGGAGACTTG TGGAACTGCT	960
	N D K I Q A V I D A G V C R R L V E L L>			
980	GATGCATAAT GATTATAAAG	1000	GCTGTGGGAA ACATTGTCAC	1020
	M H N D Y K V V S P A L R A V G N I V T>			
1040	AGGGGATGAT ATTCAGACAC	1060	GCTCTGCAGA GTTTATTGCA	1080
	G D D I Q T Q V I L N C S A L Q S L L H>			

FIG. 2C

```
1100      1120      1140
TTTGCTGAGT AGCCCAAAGG AATCTATCAA AAAGGAAGCA TGTGGACGA TATCTAATAT
L L S S P K E S I K K E A C W T I S N I>

1160      1180      1200
TACAGCTGGA AATAGGGCAC AGATCCAGAC TGTGATAGAT GCCAACATTT TCCAGCCCTT
T A G N R A Q I Q T V I D A N I F P A L>

1220      1240      1260
CATTAGTATT TTACA AACTG CTGAATTTCG GACAAGAAA GAAGCAGCTT GGGCCATCAC
I S I L Q T A E F R T R K E A A W A I T>

1280      1300      1320
AAATGCAACT TCTGGAGGAT CAGCTGAACA GATCAAGTAC CTAGTAGAAC TGGGTGTAT
N A T S G G S A E Q I K Y L V E L G C I>

1340      1360      1380
CAAGCCGCTC TGTGATCTCC TCACGGTCAT GGA CTCTAAG ATTGTACAGG TTGCCCTAAA
K P L C D L L T V M D S K I V Q V A L N>

1400      1420      1440
TGGCTTGGA AATATCCTGA GGCTTGAGA ACAGGAAGCC AAAAGGAACG GCACTGGCAT
G L E N I L R L G E Q E A K R N G T G I>
```

FIG. 2D

1460	1480	1500
TAACCCCTTAC	TTGAAGAAGC	GATAAAATTG
AGTCTTTTGA	TTATGGTCTG	AGTCTTTTACA
NPYCAL	IEEA	DKIELQ>
1520	1540	1560
GAGTCATGAA	TCTACCAAAA	GGCCTTTGAT
AACCAGGAGA	GGCCTTTGAT	CTTATTGAGC
ATTACTTCGG		
SHENQE	IYQKA	LFH YFG>
1580	1600	1620
GACCGAAGAT	GCATTGCACC	CCAGGTTGAC
GAAGACAGCA	CCAGGTTGAC	CTTAACCAGC
AGCAGTACAT		
TEDDS	SIA	PNQLQYI>
1640	1660	1680
CTTCCAACAG	TGTGAGGCTC	CTATGGAAGG
TGTGAGGCTC	CTATGGAAGG	TTTCCAGCTT
CTCTGCTTTC		
FQQCEAPMEGL>		
1700	1720	1740
ACGTACCTGT	GCTCAGACCA	GGCTACCCAG
GCTCAGACCA	GGCTACCCAG	TCGAGTCCCTC
TTGTGGAGCC		CACAGTCCCTC
1760	1780	1800
ATGGAGCTAA	CTTCTCAAAT	GTTTTCCATA
ATACTGTTTG		CGCTCATTTG
CTTGCCCTTGC		
1820	1840	1860
GCACCTGCTC	TCTTACACAC	ATCTGGAAAA
CCTCCGGCTC		TCTGTGGTGG
GATACCCCTTC		

FIG. 2E

1880	1900	1920
TAATAAAAGG GTAACCAGAA CGGCCCACTC TCTTTTACGG AAAAATCCCT AGGCTTTTGA		
1940	1960	1980
GATCCGCACT TACATTAGAG TTATGGGAAT ATACACATAT TAAATGTGGCT CCCTTTTTCT		
2000	2020	2040
TGTGGGGGAA TAAAAGAGGA CTCCTCCTCA TTCCCTTTAA CATGGGGGAA AAAACTGACA		
2060	2080	2100
TTAAAAGATG AGACTAAATC TTTATCTTGA ATTTTACACA ACTACTTACG ACAAGGGAGA		
2120	2140	2160
TGTTTAGACC TGTGGTATA CTTCAGAGTA CTTTTCATGA GTTCTTCCAC AGTGAACCCCT		
2180	2200	2220
TGGATTACCT GGTGGCTTTT TCTAGCCAGA TTGCATTAAAT CCTTACTGAG ATTGGATGGT		
2240	2260	2280
TTTCTTTCCCT CTATTGGCGC CATTCTTCAG ATATTAAAGT TAAACCATCC ACTCCCTCAC		
2300	2320	2340
CTTCAGCCTT CAGTGAATGT GCTTTCAGT TGTGAGGAAT GCTGAAGAAT TAACACTTTG		

FIG. 2F

2360	2380	2400
ACTCCTAAAT GTGATACTGG TGGGTAAGAG CAGGGCACAT TTAATTGTGCT CGCTTTTGCT		
2420	2440	2460
TCTCTTTGGT CTGGGCACAT TTAATTGTGCT CGCTTTTGCT TCTCTTTGGT CTTTTCGAAT		
2480	2500	2520
ACTTAGTAAT CGAAAAACCAT ATCCTGTAAT TTAATAAAAGG AACTAAGG CGAAATAACC		
2540	2560	2580
CCTCCAATTT TCCCAAATGC AATCAGTGTA ACTAGGGGCT GTGTTTCTGC ATTAAATAAA		
2600	2620	2640
ATGTTTCAGG CTTTGTGTC CTGATCAAGG TCCTCATTA AAAATTGGAG TTCACCCCTAG		
2660	2680	2700
GCTTTTCCCC TCTGTGACTG GCAGATAACA CATACTTTG AAAGTAACTT TGGGATTTT		
2720	2740	2760
TTTCTTAGGT GCAGCTCGAT TCTAATCTTT TCATGCTGCA CAGATTCTT TTAATCGATA		
2780	2800	2820
GCATCCTTAT CTGAAAGAAA TAACCATCTT CTCAACATGA CCTGCTTAAC CCAATAAGA		

FIG. 26

2840	ACAGTGATCT	TATAACCTCA	TTGTTTCCTA	ATCTATTTTA	TTTCATCTCTCC	TGCTAGTACT	2880
2900	GTGCCGCTTC	CCCCTCCCCC	CACACAAAAT	AAAAACAGTA	TCTCGCTTCT	GGCTCATTTT	2940

FIG. 2H

		1	12	
NPI-1		MTTPGKENFRLK		
		:		.
SRP1		MDNGTDSSTSKEFVPEYRRT		
	13		58	
NPI-1	SYKNKS-LNPDVMRRRREEEGLQLRKLKREEQLFKRRNVVTAEEETE			
	..			
SRP1	NFKNKGRFSADELRRRRDTQQVELRKAKRDEALAKRRNFIPPTDGAD			
	59		105	
NPI-1	EEVMSDGGFHEAQISNMEMAPGGVITSDMIEMIFSKSPEQQLSATQK			
	.  .    ..    ..    .    ..			
SRP1	SDEEDESSVSADQQFYSQLQQ—ELPQMTQQLNSDDMQEQLSATVK			
	106		150	
NPI-1	FRKLLSKEPDPPIDE-VISTPGVWARFVEFLKR-KENCSLQFESAWV			
	::  : .       : :   : :    : ::   : : .			
SRP1	FRQILSREHRPPID-VVIQAGVPRLVFEMRE-NQPEMLQLEAWA			
	151		192	
NPI-1	LTNIASGNSLQTRI-VIQAQAV-PIFIELLSS-ESEDEVQE-QAVWA			
	.     ::  :      : :    :.   : :    :			
SRP1	LTNIASGTSAQTKV-VVDADAV-PLFIQLLYT-GSVEVKE-QAIWA			
	193		235	
NPI-1	LGNIAGDSTMCRDY-VLDCNIL-PPLLQLFSKQNRLTMTN-NAVWA			
	:      .          :  :    :..  : :..  . .  :			
SRP1	LGNVAGDSTDYRDY-VLQCNAM-EPILGLFNS-NKPSLIR-TATWT			
	236		277	
NPI-1	LSNLCRGKSPPEF-AKVSPCL-NVLSWLLFV-SDTDVLA-DACWA			
	.  .  . :   .   . :  : :   :..			
SRP1	LSNLCRGKKPQPDW-SVVSQAL-PTLAKLIYS-MDTETLV-DACWA			
	278		318	
NPI-1	LSYLSGPNDKIQA—VIDAEYVET-VELLMH-NDYKVVS-PALRA			
	:       :        . .        :.   :			
SRP1	ISYLSGPNQEAQA—VIDVRIPKRLVELLSH-ESTLVQT-PALRA			
	319		360	
NPI-1	VGNIVTGDDIQTQV—ILNCSALQSLHLLSS-PKESIKK-EACWT			
	: :     :  :.  . :          :			
SRP1	VGNIVTGNDLQTQV—VINAGVLPALRLLLSS-PKENIKK-EACWT			
	361		402	
NPI-1	ISNITAGNRAQIQT—VIDANIFPALISILQT-AEFRTK-EAAWA			
	.   :      : : : : : :   : :			
SRP1	ISNITAGNTEQIQA—VIDANLIPPLVKLLEV-AEYKTKK-EACWA			

FIG.3A



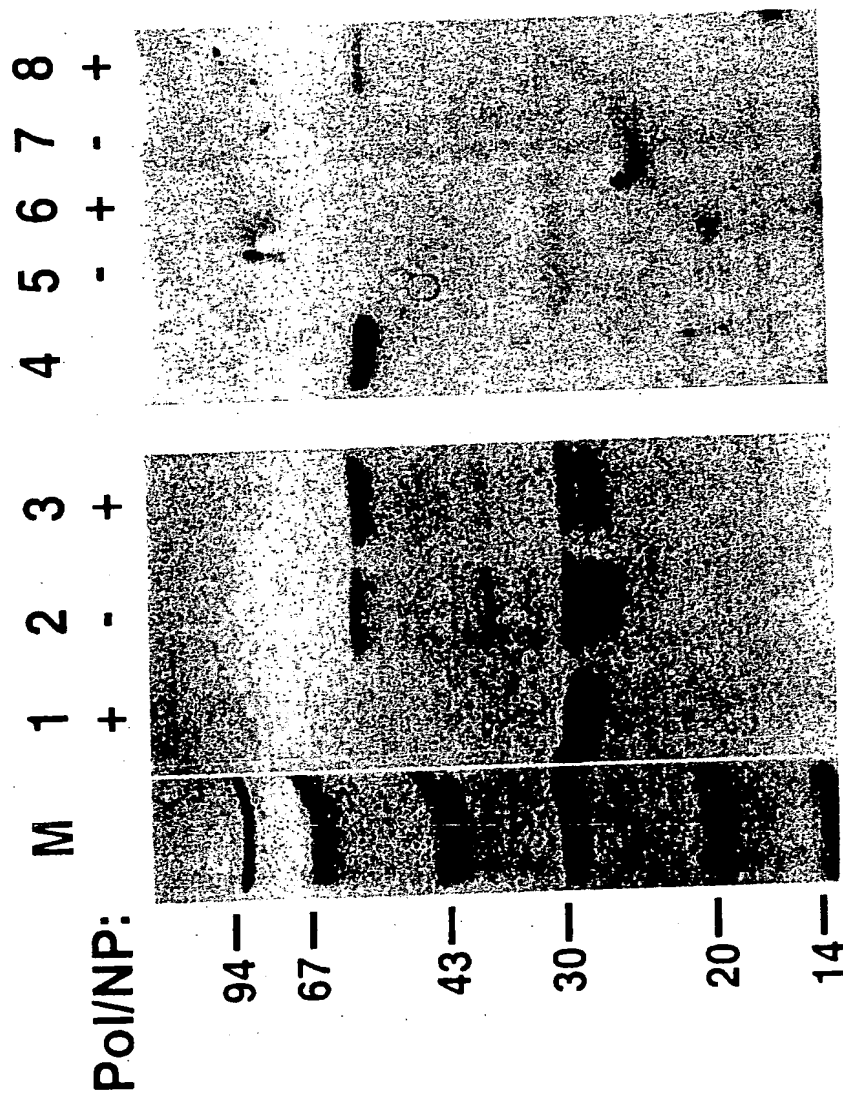


FIG.4

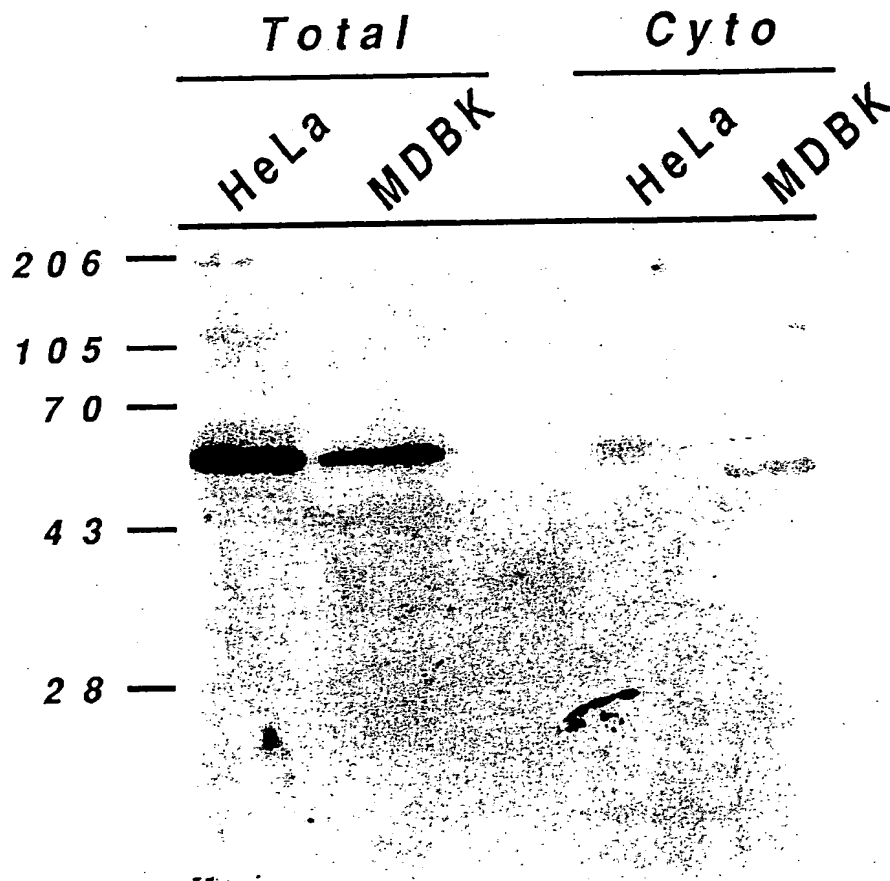


FIG.5

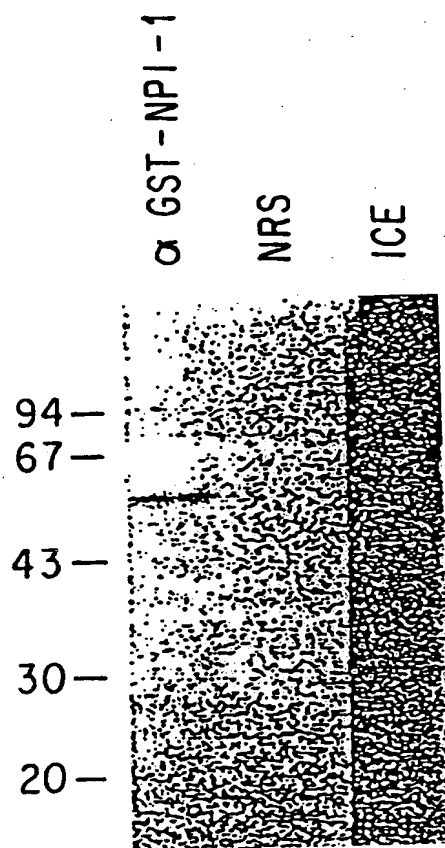


FIG.6

20 40 60  
GGAGGCACCG AAGGGCAGCG CCGAGTCGGA GCGGGCGAAG ATTGACGCCA GTAAGAACGA  
80 100 120  
GGAGGATGAA GGCCATTCAA ACTCCTCCCC ACGACACTCT GAAGCAGCGA CGGCACAGCG  
140 160  
GGAAGAATGG AAAATGTTTA TAGGAGGCCT TAGCTGGGAC ACTACAAAGA

FIG.7

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      40      60
GAGGTCAATG TGGAGCTGAG GAAAGCTAAG AAGGATGACC AGATGCTGAA GAGGAGAAAT
E V N V E L R K A K K D D Q M L K R R N>

      80      100      120
GTAAGCTCAT TTCCTGATGA TGCTACTTCT CCGCTGCAGG AAAACCGCAA CAACCAGGGC
V S S F P D D A T S P L Q E N R N N Q G>

      140      160      180
ACTGTAAATT GGTCTGTTGA TGACATTGTC AAAGGCATAA ATAGCAGCAA TGTGGAAAT
T V N W S V D D I V K G I N S S N V E N>

      200      220      240
CAGCTCCAAG CTA CTCAAGC TGCCAGGAA CTA CTTCCTCA GAGAAACA GCCCCCCATA
Q L Q A T Q A A R K L L S R E K Q P P I>

      260      280      300
GACAACATAA TCCGGGCTGG TTTGATTCCG AAATTGTGT CCTTCTTGG CAGAACTGAT
D N I I R A G L I P K F V S F L G R T D>

      320      340      360
TGTAGTCCCA TTCAGTTTGA ATCTGCTTGG GCACTCACTA ACATTGCTTC TGGGACATCA
C S P I Q F E S A W A L T N I A S G T S>

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FIG. 8A

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380      400      420
GAACAAACCA AGGCTGTGGT AGATGGAGGT GCCATCCCAG CATTCATTTC TCTGTGGCA
E Q T K A V V D G G A I P A F I S L L A>

440      460      480
TCTCCCCATG CTCACATCAG TGAACAAGCT GTCGTGGCTC TAGGAAACAT TGCAGGTGAT
S P H A H I S E Q A V W A L G N I A G D>

500      520      540
GGCTCAGTGT TCCGAGACTT GGTATTAAAG TACGGTGCAG TTGACCCCACT GTTGGCTCTC
G S V F R D L V I K Y G A V D P L L A L>

560      580      600
CTTGCAGTTC CTGATATGTC ATCTTTAGCA TGTGGCTACT TACGTAATCT TACCTGGACA
L A V P D M S S L A C G Y L R N L T W T>

620      640      660
CTTTCTAATC TTGCGCGCAA CAAGAATCCT GCACCCCCGA TAGATGCTGT TGAGCAGATT
L S N L C R N K N P A P P I D A V E Q I>

680      700      720
CTTCCTACCT TAGTTCGGCT CCTGCATCAT GATGATCCAG AAGTGTTAGC AGATACCTGC
L P T L V R L L H H D D P E V L A D T C>

```

FIG. 8B

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740      760      780
TGGGCTATT CCTACCTTAC TGATGTCCA AATGAACGAA TTGGCATGGT GGTGAAACA
W A I S Y L T D G P N E R I G M V V K T>

800      820      840
GGAGTTGTGC CCCAACTTGT GAAGCTTCTA GGAGCTTCTG AATTGCCAAT TGTGACTCCT
G V V P Q L V K L L G A S E L P I V T P>

860      880      900
GCCCTAAGAG CCATAGGGA TATTGTCAC TGTACAGATG AACAGACTCA GGTGTGTGATT
A L R A I G N I V T G T D E Q T Q V V I>

920      940      960
GATGCAGGAG CACTCGCCGT CTTTCCCAGC CTGCTCACCA ACCCAAAC TAACATTCAG
D A G A L A V F P S L L T N P K T N I Q>

980      1000      1020
AAGGAAGCTA CGTGGACAAT GTCAAACATC ACAGCCGGCC GCCAGGACCA GATACAGCAA
K E A T W T M S N I T A G R Q D Q I Q Q>

1040      1060      1080
GTTGTGAATC ATGGAATTAGT CCATTCCTT GTCAGTGTTC TCTCTAAGGC AGATTTTAAG
V V N H G L V P F L V S V L S K A D F K>

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FIG. 8C

1100	1120	1140
ACACAAAAGG AAGCTGTGTG GGCCGTGACC AACTATACCA GTGGTGGAAC AGTTGAACAG		
T Q K E A V W A V T N Y T S G G T V E Q>		
1160	1180	1200
ATTGTGTACC TTGTTCACTG TGGCATAATA GAACCGTTGA TGAACCTCTT AACTGCAAAA		
I V Y L V H C G I I E P L M N L L T A K>		
1220	1240	1260
GATACCAAGA TTATTCTGGT TATCCTGGAT GCCATTTCAA ATATCTTTCA GGCTGCTGAG		
D T K I I L V I L D A I S N I F Q A A E>		
1280	1300	1320
AAACTAGGTG AACTAGCTG CCCGTCTTCA CAGATTCAAG AACAAAGGAA AAGACAGTAC		
K L G E T S C P S S Q I Q E Q G K R Q Y>		
1340	1360	1380
AGAAATGAGG CGTCCGAGGC GTCGCAGAAT AGAGAAACTT AGTATAATGA TTGAAGAATG		
R N E A S E A S Q N R E T>		
1400	1420	1440
TGGAGGCTTA GACAAAATTG AAGCTCTACA AAACCATGAA AATGAGTCTG TGTATAAGGC		

FIG. 8D

1460	1480	1500
TTCGTTAAGC	TGAAGGAA	AAAACGTTGT
TTAATTGAGA	AGTATTCTC	GAGGAAGATC
1520	1540	1560
ACCAGAAACT	GCTACACTTT	GATGGGGCTC
ACCTCTGAAG	CCAAGTTCAG	CTGGGACCTT
1580	1600	1620
TAACTTTTAG	ATTTGTTGTG	TACTACGTTT
ATCATGTAGC	TGAGACATAA	GGTATTTTGT
1640	1660	1680
CTTATTGTTT	AACTCTTTCT	TTGTTACTGT
CTCTACTAAG	TAAATGTGGT	AGCACTTTT
1700	1720	1740
ACACTGAAAC	TGTACATACA	TACTGTATGA
TATACTTGAA	CAGTTCCAAC	AGCTTGTCCCT
1760	1780	1800
CTGACTAGGT	TATGTGGAAT	GCAGCATCCT
TTCTAAATTTC	TTCCTATCTT	GTAATAAAC
1820		
ATTCAAGTCC	ACCCTTTCT	TGACTTC

FIG. 8E

20 40 60  
GAACGACCAA GAGGGTGTTC GACTGCTAGA GCCGAGCAGA AGCGTGCCTA AATCAAAGGA  
80 100 120  
ACTTGTTTCT TCAAGCTCTT CTGGCAGTGA TTCTGACAGT GAGGTTGACA AAAAGTTAAG  
140 160 180  
CAGGAAAAAG CAAGTTGCTC CAGAAAAACC TGTAAGAAA CAAAAGACAG GTGAGACTTC  
200 220 240  
GAGAGCCCTG TCATCTTCTA AACAGAGCAG CAGCAGCAGA GATGATAACA TGTTTCAGAT  
TGGGAAAATG AGGTCAGTT

FIG.9

TGTCGACTGT	20	ATCCGTCAGA	40	GAGTGCATCC	60	CTCAGGCCAT
GGCTTTGAGC		AGTCCAGCAT				
TCTGGGAATG	80	GCCAGGCCAA	100	GAAAGACAG	120	CAGTGTTTGT
GATGTCCCTGT		GTCGGGCATG				
CTTGCCACA	140	TGGAGCCAGT	160	GTGTCTGTAC	180	TGGTGATGTG
CTGCAACAGC		TACTGGGCAG				
TCACACTCGG	200	TTCAGATCAG	220	CAAGGAATAT		G
GAGTTGGCTT						

FIG. 10

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      60
      40
20  ATTTGTAAAC CCCGAGCGA GGTTCCTGCTT ACCCGAGGCC GCTGCTGTGC GGAGACCCCC
      120
80  GGGTGAAGCC ACCGTCATCA TGCTGACCA GGAGGCAAAA CCTTCAACTG AGGACTTGGG
      180
140 GGATAAGAAG GAAGTGAAT ATATTAACT CAAAGTCATT GGACAGGATA GCAGTGAGAT
      240
200 TCACTTCAA GTGAAAATGA CAACACATCT CAAGAACTC AAAGAATCAT ACTGTCAAAG
      300
260 ACAGGGTGTT CCAATGAATT CACTCAGGTT TCTCTTTGAG GGTCAAGAA TTGCTGATAA
      360
320 TCATACTCA AAAGAACTGG GAATGGAGGA AGAAGTTGTG ATTGAAGTTT ATCAGGAACA
      360
AACGGGGGGT CA
```

FIG. 11

-103 TCTGACCCCTCGTCCCCCGGC -80  
-81 CATTGCGCGCCTCCTGTCCCGCAGTCGGCGTCCAGCGGCTCTGCTTGTTCGTGTGTGTGTCAGGCGCTTATTC -1  
1 ATGGGCTCACCGCTGAGGTTTCGACGGCGGGTGGTACTGGTCAACGGCGGGGCGGAGGATGGGCGGAGCCTATGCCCCT 80  
M G S P L R F D G R V V L V T G A G A G L G R A Y A L 27  
81 GGCTTTTGCAGAAAGAGGAGCGTTAGTTGTGTGAATGTTGGAGGGGACTTCAAGGAGTTGGTAAAGGCTCCTTAG 160  
A F A E R G A L V V V N D L G G D F K G V G K G S L 53  
161 CTGATAAGGTTGTTGAAGAAATAAGAGGAGAGGTGGAAGACAGTGGCCCACTATGATTCAGTGAAGAAGGAGAGAAG 240  
A D K V V E E I R R R G G K A V A N Y D S V E E G E K 80  
241 GTTGTGAAGACAGCCCTGGATGCTTTTGAAGAATAGATGTTGTGGTCAACAATGCTGGAATCTCTGAGGGATCATTCCTT 320  
V V K T A L D A F G R I D V V V N N A G I L R D H S F 107  
321 TGCTAGGATAAGTGATGAAGACTGGGATATAATCCACAGAGTTCATTGCGGGGTTCAATCCCAAGTGACACGGCGCAGCAT 400  
A R I S D E D W D I I H R V H L R G S F Q V T R A A 133  
401 GGAACACATGAAGAAACAGAAGTATGGAAGGATTATATGACTTCATCAGCTTCAGGAATATATGGCAACTTTGGCCAG 480  
W E H M K K Q K Y G R I I M T S S A S G I Y G N F G Q 160  
481 GCCAATTATAGTCTGCAAAAGTTGGTCTTCTGGGCTTGCAAAATCTCTTGCAATTGAAGGCAGGAAAGCAACATTCA 560  
A N Y S A A K L G L L G L A N S L A I E G R K S N I H 187  
561 TTGTAACACCATTTGCTCCTAATGCGGGATCAGGATGACTCAGACAGTTATGCCCTGAAGATCTTGTGGAAGCCTTGAAGC 640  
C N T I A P N A G S R M T Q T V M P E D L V E A L K 213  
641 CAGAGTATGGCACCTCTTGTCTTGGCTTTGTACGAGAGTTGTGAGGAGAAATGGTGGCTTGTGAGGTTGGTGCA 720  
P E Y V A P L V L W L C H E S C E E N G G L F E V G A 240

FIG. 12A

721 GGATGGATTGGAAAATTACGCTGGGAGCGGACTCTTGAGCTATTGTAAGACAAAAGAATCACCCAATGACTCCTGAGGC 800  
G W I G K L R W E R T L G A I V R Q K N H P M T P E A 267

801 AGTCAAGGCTAACTGGAAGAAGATCTGTGACTTTGAGAATGCCAGCAAGCCTCAGAGTATCCAAGAATCAACTGGCAGTA 880  
V K A N W K K I C D F E N A S K P Q S I Q E S T G S 293

881 TAATTGAAGTTCTGAGTAAATAGATTCAAGAAGGAGGAGTTTCAGCAAAATCATACTAGTCGTGCAACGCTCTACAGCAACA 960  
I I E V L S K I D S E G G V S A N H T S R A T S T A T 320

961 TCAGGATTTGCTGGAGCTATTGGCCAGAAACTCCCTCCATTTCTTATGCTTATACGGAACCTGGAAGCTATTATGTATGC 1040  
S G F A G A I G Q K L P P F S Y A Y T E L E A I M Y A 347

1041 CCTTGGAGTGGGAGCGTCAATCAAGGATCCAAAAGATTGAAATTTATTTATGAAGGAAGTTCTGTGATTTCTCCTGTTTGC 1120  
L G V G A S I K D P K D L K F I Y E G S S D F S C L 373

1121 CCACCTTCGGAGTTATCATAGGTCAGAAATCTATGATGGTGGAGGATTAGCAGAAATTCCTGGACTTTCAATCAACTTT 1200  
P T F G V I I G Q K S M M G G G L A E I P G L S I N F 400

1201 GCAAAGGTTCTTCATGGAGAGCAGTACTTAGAGTTATATAAACCACTTCCAGAGCAGGAAATTAATAATGTGAAGCAGT 1280  
A K V L H G E Q Y L E L Y K P L P R A G K L K C E A V 427

1281 TGTTCGTGATGTCCTAGATAAAGGATCCGGTGTAGTGATTATTATGGATGTCTATTCTTATCTGAGAAGGAACCTTATAT 1360  
V A D V L D K G S G V V I I M D V Y S Y S E K E L I 453

1361 GCCACAAATCAGTTCCTCTCTCTTTCTTGTGGCTCTGGAGGCTTTGGTGGAAAACGGACATCAGACAAAAGTCAAGGTAGCT 1440  
C H N Q F S L F L V G S G G F G G K R T S D K V K V A 480

FIG. 12B

1441 GTAGCCATACCTAATAGACCTCCTGATGCTGTAATACAGATACACCTCTCTTAATCAGGCTGCTTTGTACCGCCTCAG 1520  
V A I P N R P P D A V L T D T T S L N Q A A L Y R L S 507

1521 TGGAGACCGGAATCCCTTACACATTGATCCCTAACTTTGCTAGCTAGCAGGTTTGTGACAAAGCCCATATTTACATGGATTAT 1600  
G D R N P L H I D P N F A S L A G F D K P I L H G L 533

1601 GTACATTTGGATTCTTCCAGCGGTGTGTTACAGCAGTTTGCAGATAATGATGTGTCAAGATTCAAGGCAGTTAAGGCT 1680  
C T F G F S A R R V L Q Q F A D N D V S R F K A V K A 560

1681 CGTTTTCGCAAAACAGTATATCCAGGACAACTCTACAACTGAGATGTGGAAGGAAGAAACAGAAATTCATTTTCAAAC 1760  
R F A K P V Y P G Q T L Q T E M W K E G N R I H F Q T 587

1761 CAAGGTCCAAGAACTGGAGACATTGTTCATTTCAAATGCATATGTGGATCTTGACCAACATCTGGTACTTTCAGCTAAGA 1840  
K V Q E T G D I V I S N A Y V D L A P T S G T S A K 613

1841 CACCTCTGAGGCGGGAAGCTTCAGAGTACCTTTGTATTTGAGGAATAGGACGCCCTAAAGGATATTTGGCCCTGAG 1920  
T P S E G G K L Q S T F V F E I G R R L K D I G P E 640

1921 GTGGTGAAGAAAGTAAATGCTGTATTTGAGTGGCATATAACCAAGCGGGAATATTTGGGGCTAAGTGGACTATTGACCT 2000  
V V K K V N A V F E W H I T K G G N I G A K W T I D L 667

2001 GAAAAGTGGTTCTGGAAAAGTGTACCAAGGCCCTGCAAAAGGTGCTGCTGATACAAATCATACTTTCAGATGAAGATT 2080  
K S G S G K V Y Q G P A K G A A D T T I I L S D E D 693

2081 TCATGGAGGTGGTCTTGGCAAGCTTGACCCCTCAGAAAGGCATTCTTTAGTGGCAGGCTGAAGGCCAGAGGGAACATCATG 2160  
F M E V V L G K L D P Q K A F F S G R L K A R G N I M 720

2161 CTGAGCCAGAACTTCAGATGATTTCTTAAAGACTACGCCAAGCTCTGAAGGGCACACTACACTATTATAAAAATGGAAT 2240  
L S Q K L Q M I L K D Y A K L 735

FIG. 12C

Title: IDENTIFICATION AND USE OF  
ANTIVIRAL COMPOUNDS THAT INHIBIT  
INTERACTION OF HOST CELL PROTEINS ...  
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2241 CATTAAATACTCTCTTCAACCCAAATATGCTTGATTATCTGCAAAAGTGATTAGAACTAAGATGCAGGGGAAATTGCTTA 2320  
2321 ACATTTTCAGATATCAGATAACTGCAGATTTTCATTCTTCTACTAATTTTTCATGTATCATTTATTTTACAGGAACATATA 2400  
2401 TATAAGCTAGCACATAATTATCCTTCTGTCTTAGATCTGTATCTTCATAATAAAAAAATTTTGCCCCAAGTCCTGTTTCC 2480  
2481 TTAGAAATTTGTGATAGCATTGATAAGTTGAAAGGAAAAATTAAATCAATAAAGGCCCTTTGATACCTTTAAAAAATAAAAAA 2560

AAAAAATAAAAA

FIG. 12D

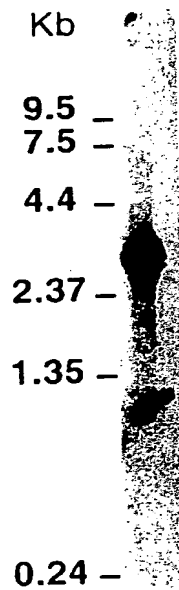


FIG.13

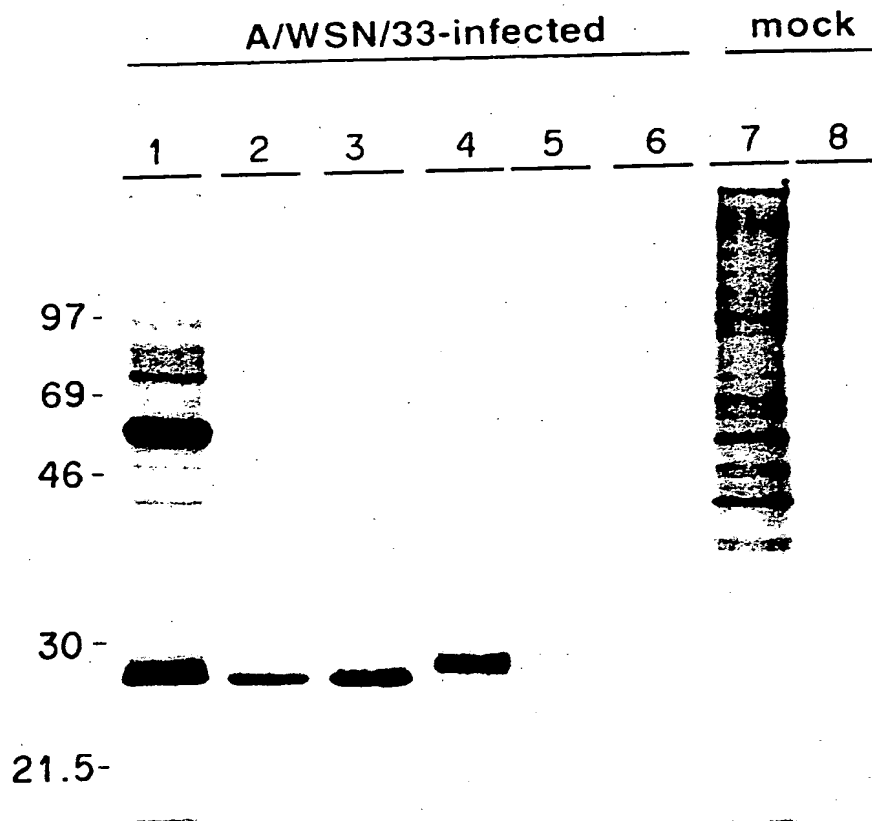


FIG.14

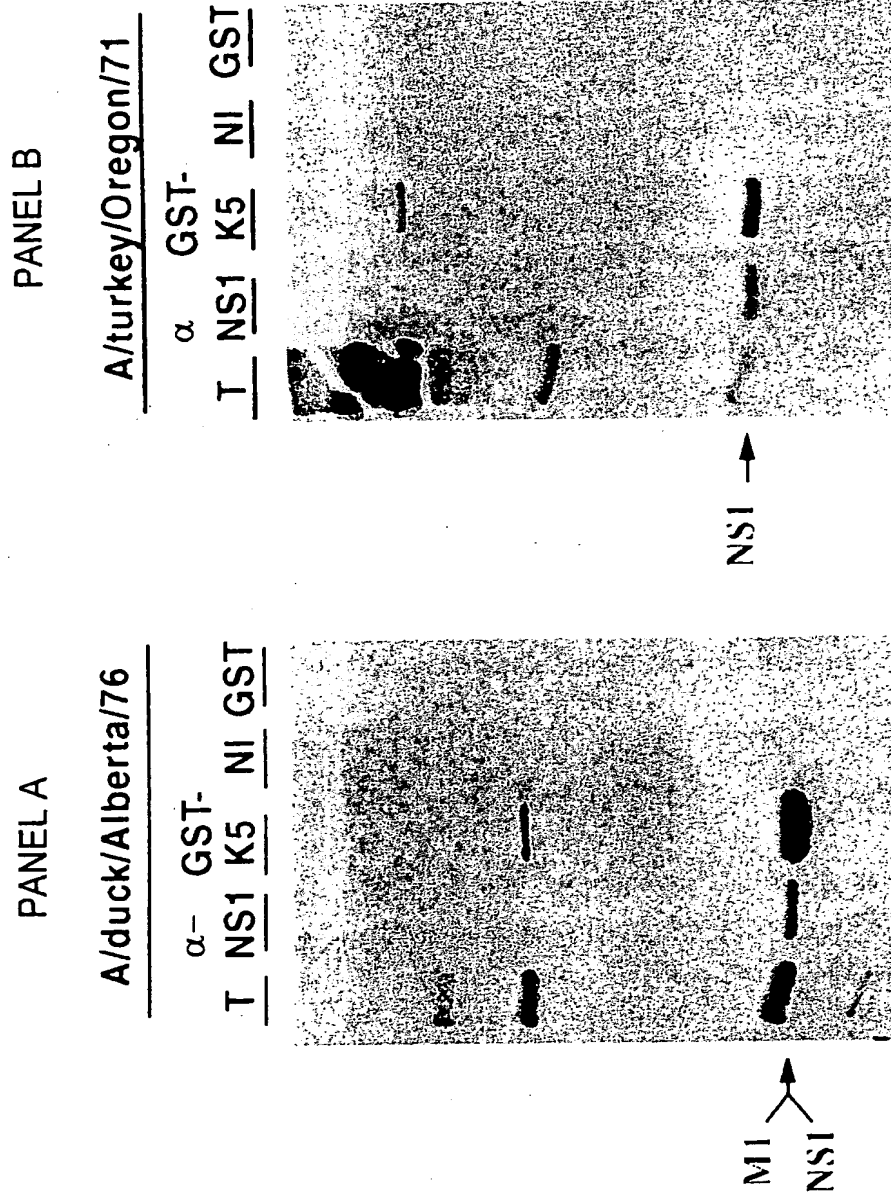


FIG. 15A

FIG. 15B

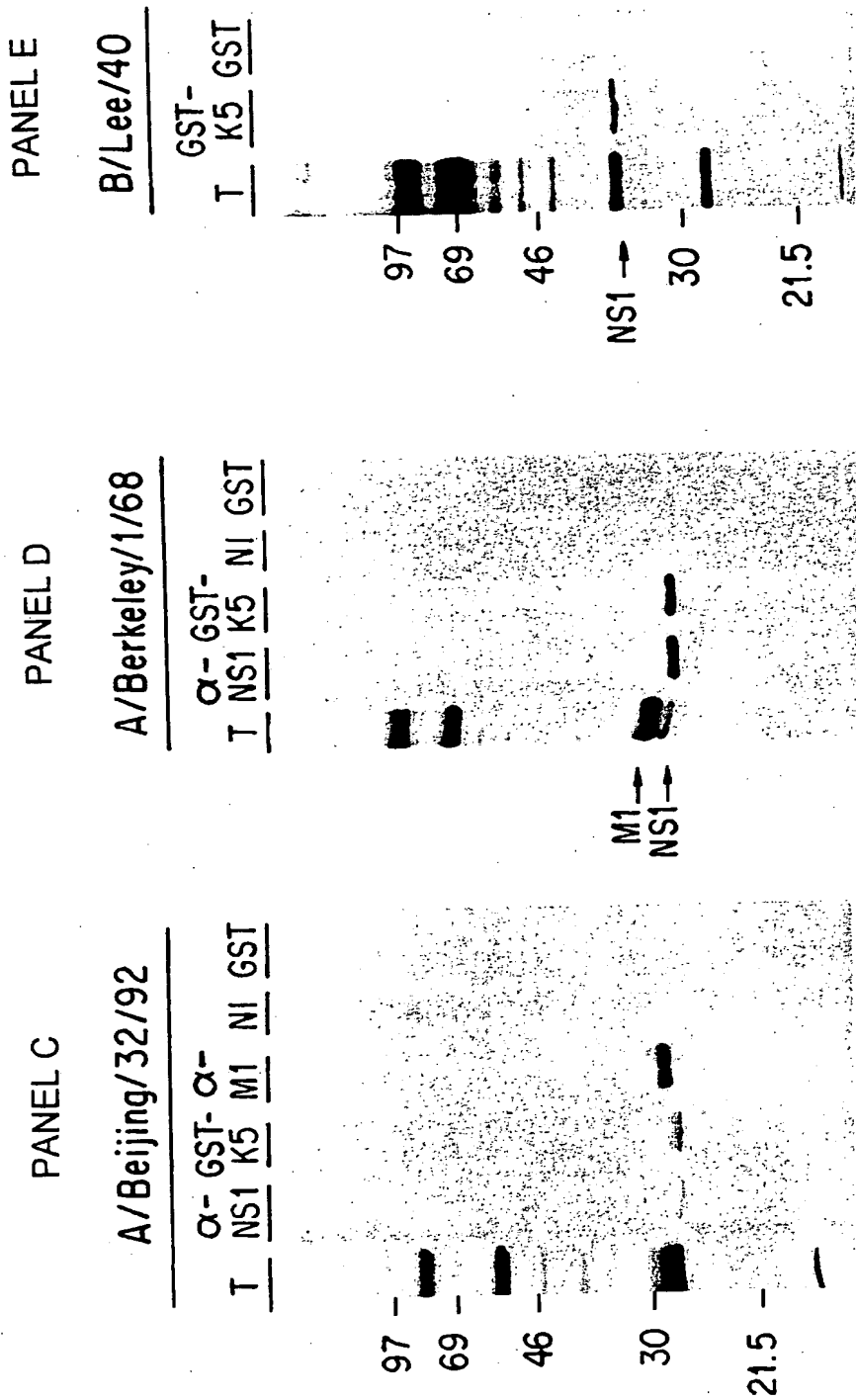


FIG.15C

FIG.15D

FIG.15E

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